## **EAST Search History**

| Ref# | Hits | Search Query  | DBs                       | Default<br>Operator | Plurals | Time Stamp          |
|------|------|---|---------------------------|---------------------|---------|---------------------|
| S1   | 90   | (("H.sub.2" or<br>hydrogen) with select<br>\$4 with (membrane or<br>film)) same (water<br>with gas with shift<br>with (activit\$3 or react<br>\$3))                                       | US-PGPUB;<br>USPAT; USOCR | ADJ                 | ON      | 2009/06/26<br>09:58 |
| S2   | 73   | S1 and ((fuel or electrochemical) with cell)  | US-PGPUB;<br>USPAT; USOCR | ADJ                 | ON      | 2009/06/26<br>09:58 |
| S3   | 73   | S2 and fuel cell  | US-PGPUB;<br>USPAT; USOCR | ADJ                 | ON      | 2009/06/26<br>09:58 |
| S4   | 33   | S3 and (anode and cathode)  | US-PGPUB;<br>USPAT; USOCR | ADJ                 | ON      | 2009/06/26<br>09:59 |
| S5   | 12   | (("H.sub.2" or<br>hydrogen) with select<br>\$4 with (membrane or<br>film)) same (water<br>with gas with shift<br>with (activit\$3 or react<br>\$3)) same (exit\$3 with<br>gas or exhaust) | US-PGPUB;<br>USPAT; USOCR | ADJ                 | ON      | 2009/06/26          |
| S6   | 11   | S5 and ((fuel or electrochemical) with cell)  | US-PGPUB;<br>USPAT; USOCR | ADJ                 | ON      | 2009/06/26<br>10:00 |
| S7   | 11   | S6 and fuel cell  | US-PGPUB;<br>USPAT; USOCR | ADJ                 | ON      | 2009/06/26<br>10:00 |
| S8   | 5    | (6187465 5079103 <br>5247791 5965937 <br>5724805).pn.   | US-PGPUB;<br>USPAT; USOOR | ADJ                 | ON      | 2009/06/26<br>10:22 |
| S9   | 33   | (("H.sub.2" or<br>hydrogen) with select<br>\$4 with (membrane or<br>film)) with (water with<br>gas with shift with<br>(activit\$3 or react\$3))   | US-PGPUB;<br>USPAT; USOCR | ADJ                 | ON      | 2009/06/26<br>11:04 |

| S10 | 23  | ("3852207"             | US-PGPUB;    | ADJ | ON | 2009/06/26 |
|-----|-----|------------------------|--------------|-----|----|------------|
|     |     | "3904513"              | USPAT; USOOR |     |    | 11:25      |
|     |     | "4157294"              |              |     |    |            |
|     |     | "4348486"              |              |     |    |            |
|     | 1   | "4568663"              |              |     |    |            |
|     |     | "4963165"              |              |     |    |            |
|     |     | "5082551"              |              |     |    |            |
|     |     | "5260239"              |              |     |    |            |
|     | į.  | "5268344"              |              |     |    |            |
|     |     | "5283216"              |              |     |    |            |
|     |     | "5844005"              |              |     |    |            |
|     | ĺ   | "6043288"              |              |     |    |            |
|     | į   | "6103773"              |              |     |    |            |
|     | i . | "6147126"              |              |     |    |            |
|     |     | "6179995"              |              |     |    |            |
|     | i   | "6258860"              |              |     |    |            |
|     |     | "6361583"              |              |     |    |            |
|     | ŀ   | "6562111"              |              |     |    |            |
|     |     | "6572679"              |              |     |    |            |
|     |     | "6572680"              |              |     |    |            |
|     | i   | "6579331"              |              |     |    |            |
|     | i   | "6589303"              |              |     |    |            |
|     |     | "6627666").PN.         |              |     |    |            |
| S11 | 203 | water with gas with    | US-PGPUB;    | ADJ | ON | 2009/06/26 |
|     | i i | shift\$3 with membrane | USPAT; USOOR |     |    | 11:27      |
|     | i   | with ("H.sub.2" or     |              |     |    |            |
|     |     | hydrogen)              |              |     |    | ***        |
| S12 | 187 | water near2 gas near2  | US-PGPUB;    | ADJ | ON | 2009/06/26 |
|     | i i | shift\$3 with membrane | USPAT; USOCR |     |    | 11:30      |
|     |     | with ("H.sub.2" or     |              |     |    |            |
|     |     | hydrogen)              |              |     | l  | ****       |
| S13 | 123 | S12 and fuel cell      | US-PGPUB;    | ADJ | ON | 2009/06/26 |
|     |     |                        | USPAT; USOCR |     |    | 11:30      |
| S14 | 1   | US-20040156770-\$.     | DERWENT      | ADJ | ON | 2009/06/26 |
| -   | i . | did.                   |              |     |    | 11:39      |

## 6/27/2009 10:10:11 AM

H:\My BackUp\ Examiner Docs - Active & Archived\ Examined Cases\ 10538167.method of exhast gas treatment.R\ after faom\ 538167, east\_090624(w).wsp